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OM protein - protein search, using sw model

Run on: August 2, 2005, 12:36:13 ; Search time 131 Seconds
(without alignments)
13.106 Million cell updates

Title: US-09-978-178A-7
 Perfect score: 116
 Sequence: 1 DGDEVEEEAEPYEATERTTSA 23

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 458

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Database :
Issued Patents AA.*
1: /cgn2_6/ptodata/1/iaa/5A.COMB.pcp.*
2: /cgn2_6/ptodata/1/iaa/5B.COMB.pcp.*
3: /cgn2_6/ptodata/1/iaa/6A.COMB.pcp.*
4: /cgn2_6/ptodata/1/iaa/6B.COMB.pcp.*
5: /cgn2_6/ptodata/1/iaa/PCTUS.COMB.pcp.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pcp.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	105.5	90.9	120	6	5218100-6	Patent No. 5218100
2	105.5	90.9	120	6	5218100-6	Patent No. 5218100
3	105.5	90.9	284	4	US-09-141-951-1	Sequence 1, Appli
4	105.5	90.9	487	1	US-08-462-859A-9	Sequence 9, Appli
5	105.5	90.9	487	1	US-08-123-659A-9	Sequence 9, Appli
6	105.5	90.9	487	1	US-08-464-247A-9	Sequence 9, Appli
7	105.5	90.9	487	1	US-08-464-248A-9	Sequence 9, Appli
8	105.5	90.9	492	1	US-08-462-859A-7	Sequence 7, Appli
9	105.5	90.9	492	1	US-08-123-659A-7	Sequence 7, Appli
10	105.5	90.9	492	1	US-08-464-247A-7	Sequence 7, Appli
11	105.5	90.9	492	1	US-08-464-248A-7	Sequence 7, Appli
12	105.5	90.9	656	1	US-08-371-930-23	Sequence 23, Appl
13	105.5	90.9	656	5	PCT-US94-01712-23	Sequence 23, Appl
14	105.5	90.9	676	1	US-08-371-930-24	Sequence 24, Appl
15	105.5	90.9	676	5	PCT-US94-01712-24	Sequence 24, Appl
16	105.5	90.9	694	1	US-08-339-152A-18	Sequence 18, Appl
17	105.5	90.9	694	2	US-08-007-999B-5	Sequence 5, Appli
18	105.5	90.9	694	2	US-08-689-276A-5	Sequence 5, Appli
19	105.5	90.9	695	1	US-08-371-930-27	Sequence 27, Appli
20	105.5	90.9	695	1	US-08-123-703-2	Sequence 2, Appli
21	105.5	90.9	695	1	US-08-339-152A-30	Sequence 30, Appl
22	105.5	90.9	695	2	US-08-104-165-1	Sequence 1, Appli
23	105.5	90.9	695	3	US-08-464-250-1	Sequence 1, Appli
24	105.5	90.9	695	3	US-08-464-250-1	Sequence 1, Appli
25	105.5	90.9	695	3	US-09-458-481B-6	Sequence 6, Appli
26	105.5	90.9	695	3	US-09-458-481B-7	Sequence 7, Appli
27	105.5	90.9	695	3	US-09-458-481B-8	Sequence 8, Appli

ALIGNMENTS

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RESULT 1
5218100-6
;PATENT NO. 5218100
;APPLICANT: MILLER-HILL, BENNO; KANG, JTE; LEMAIRE, HANS-GEORG;
;UNTERBECK, AXEL
;TITLE OF INVENTION: DNA ENCODING FOR THE PRECURSOR PROTEIN
;OF APC POLYPEPTIDE ASSOCIATED WITH ALZHEIMER'S DISEASE
;NUMBER OF SEQUENCES: 6
;CURRENT APPLICATION DATA:
;APPLICATION NUMBER: US/07/144,297
;FILING DATE: 15-JUN-1988
;SEQ ID NO: 6
;LENGTH: 120
5218100-6

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Query Match      90.9%; Score 105.5; DB 6; Length 120;
Best Local Similarity 95.8%; Pred. NO. 8.4e-08;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 DGDEVEEEA-EPVEEATERTTSGIA 23
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nb 70 DGDEVEEEAEPVEEATERTTSTA 93
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RESULT 2
5218100-6
; Patent NO. 5218100
; APPLICANT: MILLER-HILL, BENNO; KANG, JIE; LEMAIRE, HANS-GEORG;
; UNTERBECK, AXEL
; TITLE OF INVENTION: DNA ENCODING FOR THE PRECURSOR PROTEIN
; OF APC POLYPEPTIDE ASSOCIATED WITH ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 6
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/144,297
; FILING DATE: 15-JUN-1988
; SEQ ID NO: 6:
; LENGTH: 120
5218100-6

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Query Match      90.9%; Score 105.5; DB 6; Length 120;
Best Local Similarity 95.8%; Pred. NO. 8.4e-08;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 DGDEVEEEA-EPYEEATERTTSTA 23
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Db 70 DGDEVEEEAEPYEEATERTTSTA 93
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RESULT 3
US-09-141-951-1

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; Sequence 1, Application US/09141951A
; Patent No. 6440678
; GENERAL INFORMATION:
; APPLICANT: Barger, Steven W.
; TITLE OF INVENTION: Materials and Methods Related to the Inflammatory
; FILE REFERENCE: P-1048
; CURRENT APPLICATION NUMBER: US/09/141,951A
; CURRENT FILING DATE: 1998-08-28
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-141-951-1

Query Match          90.9%; Score 105.5; DB 4; Length 284;
Best Local Similarity 95.8%; Pred. No. 2.2e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 DGDEVEEEA-EPYEEATERTT5IA 23
Db 231 DGDEVEEEA-EPYEEATERTT5IA 254

RESULT 4
US-08-462-859A-9
; Sequence 9, Application US/08462859A
; Patent No. 5652092
; GENERAL INFORMATION:
; APPLICANT: Jacobsen, J. S.
; APPLICANT: Vittek, M. P.
; TITLE OF INVENTION: No. 5652092a1 Amyloid Precursor and Method of
; TITLE OF INVENTION: Using Same to Access Agents Which Down-Regulate Formation
; TITLE OF INVENTION: of B-Amyloid Peptide
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: American Cyanamid Company
; STREET: One Cyanamid Plaza
; CITY: Wayne
; STATE: New Jersey
; COUNTRY: United States
; ZIP: 07470-8426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/462,859A
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Barnhard, Elizabeth M.
; REGISTRATION NUMBER: 31,088
; REFERENCE/DOCKET NUMBER: 31,844-04
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (201)831-3246
; TELEFAX: (201)831-3305
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 487 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-462-859A-9

Query Match          90.9%; Score 105.5; DB 1; Length 487;
Best Local Similarity 95.8%; Pred. No. 4e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 DGDEVEEEA-EPYEEATERTT5IA 23
Db 231 DGDEVEEEA-EPYEEATERTT5IA 254

RESULT 5
US-08-123-659A-9
; Sequence 9, Application US/08123659A
; Patent No. 5656477
; GENERAL INFORMATION:
; APPLICANT: Jacobsen, J. S.
; APPLICANT: Vittek, M. P.
; TITLE OF INVENTION: No. 5656477e1 Amyloid Precursor and Method of
; TITLE OF INVENTION: Using Same to Access Agents Which Down-Regulate Formation
; TITLE OF INVENTION: of B-Amyloid Peptide
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Anne Rosenblum
; STREET: 163 Delaware Avenue, Suite 212
; CITY: Delmar
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 12054
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/123,659A
; FILING DATE: 20-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Rosenblum, Anne M.
; REGISTRATION NUMBER: 30,419
; REFERENCE/DOCKET NUMBER: 31,844-01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (518)475-0611
; TELEFAX: (518)475-0619
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 487 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-123-659A-9

Query Match          90.9%; Score 105.5; DB 1; Length 487;
Best Local Similarity 95.8%; Pred. No. 4e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 DGDEVEEEA-EPYEEATERTT5IA 23
Db 250 DGDEVEEEA-EPYEEATERTT5IA 273

RESULT 6
US-08-464-247A-9
; Sequence 9, Application US/08464247A
; Patent No. 5693478
; GENERAL INFORMATION:
; APPLICANT: Jacobsen, J. S.
; APPLICANT: Vittek, M. P.
; TITLE OF INVENTION: No. 5693478e1 Amyloid Precursor and Method of
; TITLE OF INVENTION: Using Same to Access Agents Which Down-Regulate Formation
; TITLE OF INVENTION: of B-Amyloid Peptide
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: American Cyanamid Company
; STREET: One Campus Drive
; CITY: Parsippany
; STATE: New Jersey
; COUNTRY: United States
; ZIP: 07054
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,247A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Barnhard, Elizabeth M.
REGISTRATION NUMBER: 31,088
REFERENCE/DOCKET NUMBER: 31,844-03
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-683-2158
TELEFAX: 201-683-4117
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 487 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-464-247A-9

Query Match 90.9%; Score 105.5; DB 1; Length 487;
Best Local Similarity 95.8%; Pred. No. 4e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 DGDEVEEAA-EPYEATERTTSSIA 23
DB 250 DGDEVEEAAEPYEATERTTSSIA 273

RESULT 7
US-08-464-248A-9
Sequence 9, Application US/08464248A
Patent No. 5703209
GENERAL INFORMATION:
APPLICANT: Jacobsen, J. S.
APPLICANT: Vitek, M. P.
TITLE OF INVENTION: No. 5703209el Amyloid Precursor and Method of
REFERENCE/DOCKET NUMBER: 31,088
TITLE OF INVENTION: Using Same to Access Agents Which Down-Regulate Formation
of B-Amyloid Peptide
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: American Cyanamid Company
STREET: One Cyanamid Plaza
CITY: Wayne
STATE: New Jersey
COUNTRY: United States
ZIP: 07470-8426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,248A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Barnhard, Elizabeth M.
REGISTRATION NUMBER: 31,088
REFERENCE/DOCKET NUMBER: 31,844-02
TELECOMMUNICATION INFORMATION:
TELEPHONE: (201)831-3246
TELEFAX: (201)831-3305
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 487 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-464-248A-9

Query Match 90.9%; Score 105.5; DB 1; Length 487;
Best Local Similarity 95.8%; Pred. No. 4e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 DGDEVEEAA-EPYEATERTTSSIA 23
DB 250 DGDEVEEAAEPYEATERTTSSIA 273

RESULT 8
US-08-462-859A-7
Sequence 7, Application US/08462859A
Patent No. 5652092
GENERAL INFORMATION:
APPLICANT: Jacobsen, J. S.
APPLICANT: Vitek, M. P.
TITLE OF INVENTION: No. 5652092el Amyloid Precursor and Method of
REFERENCE/DOCKET NUMBER: 31,088
TITLE OF INVENTION: Using Same to Access Agents Which Down-Regulate Formation
of B-Amyloid Peptide
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: American Cyanamid Company
STREET: One Cyanamid Plaza
CITY: Wayne
STATE: New Jersey
COUNTRY: United States
ZIP: 07470-8426
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/462,859A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Barnhard, Elizabeth M.
REGISTRATION NUMBER: 31,088
REFERENCE/DOCKET NUMBER: 31,844-04
TELECOMMUNICATION INFORMATION:
TELEPHONE: (201)831-3246
TELEFAX: (201)831-3305
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 492 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-462-859A-7

Query Match 90.9%; Score 105.5; DB 1; Length 492;
Best Local Similarity 95.8%; Pred. No. 4.1e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 DGDEVEEAA-EPYEATERTTSSIA 23
DB 250 DGDEVEEAAEPYEATERTTSSIA 273

RESULT 9
US-08-123-659A-7
Sequence 7, Application US/08123659A
Patent No. 5656477
GENERAL INFORMATION:
APPLICANT: Jacobsen, J. S.
APPLICANT: Vitek, M. P.
TITLE OF INVENTION: No. 5656477el Amyloid Precursor and Method of
REFERENCE/DOCKET NUMBER: 31,088
TITLE OF INVENTION: Using Same to Access Agents Which Down-Regulate Formation
of B-Amyloid Peptide
NUMBER OF SEQUENCES: 19

```
;
;
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Anne Rosenblum
; STREET: 163 Delaware Avenue, Suite 212
; CITY: Delmar
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 12054
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/123,659A
; FILING DATE: 20-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Rosenblum, Anne M.
; REGISTRATION NUMBER: 30,419
; REFERENCE/DOCKET NUMBER: 31,844-01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (518)475-0611
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 492 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-123-659A-7

Query Match          90.9%; Score 105.5; DB 1; Length 492;
Best Local Similarity 95.8%; Pred. No. 4.1e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 DGDEVEEEA-EPYEEATERTTSTA 23
Db 250 DGDEVEEEAEPYEEATERTTSTA 273

RESULT 10
US-08-464-247A-7
; Sequence 7, Application US/08464247A
; Patent No. 5693478
; GENERAL INFORMATION:
; APPLICANT: Jacobsen, J. S.
; TITLE OF INVENTION: No. 5693478el Amyloid Precursor and Method of
; REFERENCE/DOCKET NUMBER: 31,844-01
; TITLE OF INVENTION: Using Same to Access Agents Which Down-Regulate Formation
; TELECOMMUNICATION INFORMATION:
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: American Cyanamid Company
; STREET: One Campus Drive
; CITY: Parsippany
; STATE: New Jersey
; COUNTRY: United States
; ZIP: 07054
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,247A
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Barnhard, Elizabeth M.
; REGISTRATION NUMBER: 31,088
; REFERENCE/DOCKET NUMBER: 31,844-03
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-683-2158

Query Match          90.9%; Score 105.5; DB 1; Length 492;
Best Local Similarity 95.8%; Pred. No. 4.1e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 DGDEVEEEA-EPYEEATERTTSTA 23
Db 250 DGDEVEEEAEPYEEATERTTSTA 273

RESULT 11
US-08-464-248A-7
; Sequence 7, Application US/08464248A
; Patent No. 5703209
; GENERAL INFORMATION:
; APPLICANT: Jacobsen, J. S.
; APPLICANT: Vitek, M. P.
; TITLE OF INVENTION: No. 5703209el Amyloid Precursor and Method of
; REFERENCE/DOCKET NUMBER: 31,844-02
; TITLE OF INVENTION: Using Same to Access Agents Which Down-Regulate Formation
; TELECOMMUNICATION INFORMATION:
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: American Cyanamid Company
; STREET: One Cyanamid Plaza
; CITY: Wayne
; STATE: New Jersey
; COUNTRY: United States
; ZIP: 07470-8426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,248A
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Barnhard, Elizabeth M.
; REGISTRATION NUMBER: 31,088
; REFERENCE/DOCKET NUMBER: 31,844-02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (201)831-3246
; TELEFAX: (201)831-3305
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 492 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-464-248A-7

Query Match          90.9%; Score 105.5; DB 1; Length 492;
Best Local Similarity 95.8%; Pred. No. 4.1e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 DGDEVEEEA-EPYEEATERTTSTA 23
Db 250 DGDEVEEEAEPYEEATERTTSTA 273

RESULT 12
US-08-371-930-23
; Sequence 23, Application US/08371930
; Patent No. 5578451
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/ GENERAL INFORMATION:
/ APPLICANT: Nishimoto, Ikuo
/ TITLE OF INVENTION: ALZHEIMER'S DISEASE THERAPEUTICS
/ NUMBER OF SEQUENCES: 30
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Fish & Richardson
/ STREET: 225 Franklin Street
/ CITY: Boston
/ STATE: Massachusetts
/ COUNTRY: U.S.A.
/ ZIP: 02110-2804
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ COMPUTER: IBM PS/2 Model 502 or 55SX
/ OPERATING SYSTEM: MS-DOS (Version 5.0)
/ SOFTWARE: WordPerfect (Version 5.1)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/371,930
/ FILING DATE:
/ CLASSIFICATION: 436
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/019,208
/ FILING DATE: February 18, 1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Clark, Paul T.
/ REGISTRATION NUMBER: 30,162
/ REFERENCE/DOCKET NUMBER: 00786/154001
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617) 542-5070
/ TELEFAX: (617) 542-8906
/ TELEX: 200154
/ INFORMATION FOR SEQ ID NO: 23:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 656
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: linear
/ US-08-371-930-23

Query Match          90.9%; Score 105.5; DB 1; Length 656;
Best Local Similarity 95.8%; Pred. No. 5.6e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

OY 1 DGDEVEEAA-EPYEATERTTTSSIA 23
Db 250 DGDEVEEAAEPYEATERTTTSSIA 273

RESULT 13
PCT-US94-01712-23
/ Sequence 23, Application PC/TUS9401712
/ GENERAL INFORMATION:
/ APPLICANT: Nishimoto, Ikuo
/ TITLE OF INVENTION: ALZHEIMER'S DISEASE THERAPEUTICS
/ NUMBER OF SEQUENCES: 30
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Fish & Richardson
/ STREET: 225 Franklin Street
/ CITY: Boston
/ STATE: Massachusetts
/ COUNTRY: U.S.A.
/ ZIP: 02110-2804
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ COMPUTER: IBM PS/2 Model 502 or 55SX
/ OPERATING SYSTEM: MS-DOS (Version 5.0)
/ SOFTWARE: WordPerfect (Version 5.1)
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US94/01712
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/019,208
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/ FILING DATE: February 18, 1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Clark, Paul T.
/ REGISTRATION NUMBER: 30,162
/ REFERENCE/DOCKET NUMBER: 00786/154001
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617) 542-5070
/ TELEFAX: (617) 542-8906
/ TELEX: 200154
/ INFORMATION FOR SEQ ID NO: 23:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 656
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: linear
/ PCT-US94-01712-23

Query Match          90.9%; Score 105.5; DB 5; Length 656;
Best Local Similarity 95.8%; Pred. No. 5.6e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

OY 1 DGDEVEEAA-EPYEATERTTTSSIA 23
Db 250 DGDEVEEAAEPYEATERTTTSSIA 273

RESULT 14
US-08-371-930-24
/ Sequence 24, Application US/08371930
/ Patent No. 5578451
/ GENERAL INFORMATION:
/ APPLICANT: Nishimoto, Ikuo
/ TITLE OF INVENTION: ALZHEIMER'S DISEASE THERAPEUTICS
/ NUMBER OF SEQUENCES: 30
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Fish & Richardson
/ STREET: 225 Franklin Street
/ CITY: Boston
/ STATE: Massachusetts
/ COUNTRY: U.S.A.
/ ZIP: 02110-2804
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
/ COMPUTER: IBM PS/2 Model 502 or 55SX
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/ APPLICATION NUMBER: US/08/371,930
/ FILING DATE:
/ CLASSIFICATION: 436
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/019,208
/ FILING DATE: February 18, 1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Clark, Paul T.
/ REGISTRATION NUMBER: 30,162
/ REFERENCE/DOCKET NUMBER: 00786/154001
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617) 542-5070
/ TELEFAX: (617) 542-8906
/ TELEX: 200154
/ INFORMATION FOR SEQ ID NO: 24:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 676
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: linear
/ US-08-371-930-24

Query Match          90.9%; Score 105.5; DB 1; Length 676;
Best Local Similarity 95.8%; Pred. No. 5.8e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
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Qy 1 DGDEVEEEA-EPYEATERTTTIA 23
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Db 250 DGDEVEEEAEPYEATERTTTIA 273

RESULT 15
PCT-US94-01712-24
; Sequence 24. Application PC/TUS9401712
; GENERAL INFORMATION:
; APPLICANT: Nishimoto, Ikuo
; TITLE OF INVENTION: ALZHEIMER'S DISEASE THERAPEUTICS
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 502 or 55SX
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; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/019,208
; FILING DATE: February 18, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Clark, Paul T.
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 00786/154001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 676
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
PCT-US94-01712-24

Query Match 90.9%; Score 105.5; DB 5; Length 676;
Best Local Similarity 95.8%; Pred.No. 5.8e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 DGDEVEEEA-EPYEATERTTTIA 23
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Db 250 DGDEVEEEAEPYEATERTTTIA 273

Search completed: August 2, 2005, 12:38:32
Job time : 131 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 2, 2005, 12:36:13 ; Search time 508 Seconds
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17.640 Million cell updates/sec

Title: US-09-978-178A-7

Perfect score: 116

Sequence: 1 DGDEVEEAEPYEATERTTSIA 23

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1745140 seqs, 389608008 residues

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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3	105.5	90.9	67	9	US-09-864-761-34157
4	105.5	90.9	284	14	US-10-166-482A-1
5	105.5	90.9	695	9	US-09-794-927-10
6	105.5	90.9	695	9	US-09-794-927-12
7	105.5	90.9	695	9	US-09-794-927-14
8	105.5	90.9	695	9	US-09-795-847-10
9	105.5	90.9	695	9	US-09-795-847-12
10	105.5	90.9	695	9	US-09-795-847-14
11	105.5	90.9	695	9	US-09-794-743-10

12	105.5	90.9	695	9	US-09-794-743-12	Sequence 12, Appl
13	105.5	90.9	695	9	US-09-794-743-14	Sequence 10, Appl
14	105.5	90.9	695	9	US-09-794-748-10	Sequence 14, Appl
15	105.5	90.9	695	9	US-09-794-748-12	Sequence 12, Appl
16	105.5	90.9	695	9	US-09-794-748-14	Sequence 14, Appl
17	105.5	90.9	695	9	US-09-794-925-10	Sequence 10, Appl
18	105.5	90.9	695	9	US-09-794-925-12	Sequence 12, Appl
19	105.5	90.9	695	9	US-09-794-925-14	Sequence 14, Appl
20	105.5	90.9	695	9	US-09-681-442-10	Sequence 10, Appl
21	105.5	90.9	695	9	US-09-681-442-12	Sequence 12, Appl
22	105.5	90.9	695	9	US-09-681-442-14	Sequence 14, Appl
23	105.5	90.9	695	9	US-09-149-718-2	Sequence 2, Appl
24	105.5	90.9	695	10	US-09-869-414-10	Sequence 10, Appl
25	105.5	90.9	695	10	US-09-869-414-12	Sequence 12, Appl
26	105.5	90.9	695	10	US-09-869-414-14	Sequence 14, Appl
27	105.5	90.9	695	10	US-09-548-366-10	Sequence 10, Appl
28	105.5	90.9	695	10	US-09-548-366-12	Sequence 12, Appl
29	105.5	90.9	695	10	US-09-548-366-14	Sequence 14, Appl
30	105.5	90.9	695	10	US-09-988-491-1	Sequence 1, Appl
31	105.5	90.9	695	14	US-10-169-580-3	Sequence 3, Appl
32	105.5	90.9	695	14	US-10-357-935-1	Sequence 1, Appl
33	105.5	90.9	695	15	US-10-427-208-24	Sequence 24, Appl
34	105.5	90.9	695	15	US-10-427-208-25	Sequence 25, Appl
35	105.5	90.9	695	15	US-10-427-208-26	Sequence 26, Appl
36	105.5	90.9	695	15	US-10-427-208-27	Sequence 27, Appl
37	105.5	90.9	695	15	US-10-427-208-28	Sequence 28, Appl
38	105.5	90.9	695	15	US-10-427-208-29	Sequence 29, Appl
39	105.5	90.9	695	15	US-10-427-208-30	Sequence 30, Appl
40	105.5	90.9	695	15	US-10-427-208-31	Sequence 31, Appl
41	105.5	90.9	695	15	US-10-427-208-32	Sequence 32, Appl
42	105.5	90.9	695	15	US-10-427-208-33	Sequence 33, Appl
43	105.5	90.9	695	15	US-10-427-208-34	Sequence 34, Appl
44	105.5	90.9	695	15	US-10-427-208-35	Sequence 35, Appl
45	105.5	90.9	695	15	US-10-427-208-36	Sequence 36, Appl

ALIGNMENTS

RESULT 1

US-09-978-178-7
; Sequence 7, Application US/09978178
; Publication No. US20030004101A1
; GENERAL INFORMATION:
; APPLICANT: Rogers, Jack
; TITLE OF INVENTION: Peptides Derived from the Human Amyloid Precursor Protein
; FILE REFERENCE: 7570/73272
; CURRENT APPLICATION NUMBER: US/09/978,178
; CURRENT FILING DATE: 2001-10-17
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-178-7

Query Match 100.0%; Score 116; DB 10; Length 23;
Best Local Similarity 100.0%; Pred. No. 1.2e-08;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DGDEVEEAEPYEATERTTSIA 23

Db 1 DGDEVEEAEPYEATERTTSIA 23

RESULT 2

US-09-864-761-33589
; Sequence 33589, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.

US-09-864-761-34157
; Sequence 34157, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
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; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 33589
; LENGTH: 67
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; ORGANISM: Homo sapiens
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; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 20
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; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 15
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 16
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 15
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; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 16
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 20
US-09-864-761-33589

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Best Local Similarity 95.8%; Pred. No. 9.9e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

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Db 29 DGDEVESEAEPYBEATERTTSA 52

RESULT 3

US-09-864-761-34157
; Sequence 34157, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
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; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
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; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
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; PRIOR FILING DATE: 2001-01-30
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
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; PRIOR FILING DATE: 2000-09-21
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; PRIOR APPLICATION NUMBER: US 09/774,203
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; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
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; LENGTH: 67
; TYPE: PRT
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; FEATURE:
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; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 8.7
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 8.9
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.2
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; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 11
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US-09-864-761-34157

Query Match 90.9%; Score 105.5; DB 9; Length 67;
Best Local Similarity 95.8%; Pred. No. 9.9e-07;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

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DB 29 DGDEVEEEA-EPYEEATERTTTSIA 52

RESULT 4

US-10-166-482A-1
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; Publication No. US20030069198A1
; GENERAL INFORMATION:
; APPLICANT: Board of Trustees for the University of Arkansas
; TITLE OF INVENTION: Materials and Methods Related to the Inflammatory Effects of Sec
; TITLE OF INVENTION: Amyloid Precursor Proteins
; FILE REFERENCE: D-1048
; CURRENT APPLICATION NUMBER: US/10/166,482A
; CURRENT FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: US 09/141,951
; PRIOR FILING DATE: 1998-08-28
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 284
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; ORGANISM: Homo sapiens
US-10-166-482A-1

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Best Local Similarity 95.8%; Pred. No. 4.8e-06; Indels 1; Gaps 1;
Matches 23; Conservative 0; Mismatches 0;

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DB 231 DGDEVEEEA-EPYEEATERTTTSIA 254

RESULT 5

US-09-794-927-10
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; Patent No. US20010016324A1
; GENERAL INFORMATION:
; APPLICANT: Gurney, Mark E.
; APPLICANT: Bienkowski, Michael J.
; APPLICANT: Heinrikson, Robert L.
; APPLICANT: Parodi, Luis A.
; APPLICANT: Yan, Riqiang
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND
; TITLE OF INVENTION: USES
; FILE REFERENCE: 28341/6280FG
; CURRENT APPLICATION NUMBER: US/09/794,927
; CURRENT FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: 09/416,901
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 695
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-794-927-10

Query Match 90.9%; Score 105.5; DB 9; Length 695;
Best Local Similarity 95.8%; Pred. No. 1.3e-05; Indels 1; Gaps 1;
Matches 23; Conservative 0; Mismatches 0;

QY 1 DGDEVEEEA-EPYEEATERTTTSIA 23
||||||| |||||||
DB 250 DGDEVEEEA-EPYEEATERTTTSIA 273

RESULT 6

US-09-794-927-12
; Sequence 12, Application US/09794927
; Patent No. US20010016324A1
; GENERAL INFORMATION:
; APPLICANT: Gurney, Mark E.
; APPLICANT: Bienkowski, Michael J.
; APPLICANT: Heinrikson, Robert L.
; APPLICANT: Parodi, Luis A.
; APPLICANT: Yan, Riqiang
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND
; TITLE OF INVENTION: USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 28341/6280FG
; CURRENT APPLICATION NUMBER: US/09/794,927
; CURRENT FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: 09/416,901
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
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; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 695
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-794-927-12

Query Match 90.9%; Score 105.5; DB 9; Length 695;
Best Local Similarity 95.8%; Pred. No. 1.3e-05; Indels 1; Gaps 1;
Matches 23; Conservative 0; Mismatches 0;

QY 1 DGDEVEEEA-EPYEEATERTTTSIA 23
||||||| |||||||
DB 250 DGDEVEEEA-EPYEEATERTTTSIA 273

RESULT 7

US-09-794-927-14
; Sequence 14, Application US/09794927
; Patent No. US20010016324A1
; GENERAL INFORMATION:
; APPLICANT: Gurney, Mark E.
; APPLICANT: Bienkowski, Michael J.
; APPLICANT: Heinrikson, Robert L.
; APPLICANT: Parodi, Luis A.
; APPLICANT: Yan, Riqiang
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND
; TITLE OF INVENTION: USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: 28341/6280FG
; CURRENT APPLICATION NUMBER: US/09/794,927
; CURRENT FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: 09/416,901
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn Ver. 2.0
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-794-927-14

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; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 695
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-794-927-14

Query Match          90.9%; Score 105.5; DB 9; Length 695;
Best Local Similarity 95.8%; Pred. No. 1.3e-05;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy      1 DGDVEVEEA-EPYEEATERTTSTA 23
Db      250 DGDVEVEEAEPYEEATERTTSTA 273

RESULT 8
US-09-795-847-10
; Sequence 10, Application US/09795847
; Patent No. US20010018208A1
; GENERAL INFORMATION:
; APPLICANT: Gurney, Mark E.
; APPLICANT: Bienkowski, Michael J.
; APPLICANT: Heinrikson, Robert L.
; APPLICANT: Parodi, Luis A.
; APPLICANT: Yan, Riqiang
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND
; TITLE OF INVENTION: USES
; FILE REFERENCE: 28341/6280DE
; CURRENT APPLICATION NUMBER: US/09/795,847
; CURRENT FILING DATE: 2001-02-28
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 695
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-795-847-10

Query Match          90.9%; Score 105.5; DB 9; Length 695;
Best Local Similarity 95.8%; Pred. No. 1.3e-05;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy      1 DGDVEVEEA-EPYEEATERTTSTA 23
Db      250 DGDVEVEEAEPYEEATERTTSTA 273

RESULT 9
US-09-795-847-12
; Sequence 12, Application US/09795847
; Patent No. US20010018208A1
; GENERAL INFORMATION:
; APPLICANT: Gurney, Mark E.
; APPLICANT: Bienkowski, Michael J.
; APPLICANT: Heinrikson, Robert L.
; APPLICANT: Parodi, Luis A.
; APPLICANT: Yan, Riqiang
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND
; TITLE OF INVENTION: USES
; FILE REFERENCE: 28341/6280DE
; CURRENT APPLICATION NUMBER: US/09/795,847
; CURRENT FILING DATE: 2001-02-28
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 695
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-795-847-10

Query Match          90.9%; Score 105.5; DB 9; Length 695;
Best Local Similarity 95.8%; Pred. No. 1.3e-05;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy      1 DGDVEVEEA-EPYEEATERTTSTA 23
Db      250 DGDVEVEEAEPYEEATERTTSTA 273

RESULT 9
US-09-795-847-12
; Sequence 12, Application US/09795847
; Patent No. US20010018208A1
; GENERAL INFORMATION:
; APPLICANT: Gurney, Mark E.
; APPLICANT: Bienkowski, Michael J.
; APPLICANT: Heinrikson, Robert L.
; APPLICANT: Parodi, Luis A.
; APPLICANT: Yan, Riqiang
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND
; TITLE OF INVENTION: USES
; FILE REFERENCE: 28341/6280DE
; CURRENT APPLICATION NUMBER: US/09/795,847
; CURRENT FILING DATE: 2001-02-28
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 695
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-795-847-14

Query Match          90.9%; Score 105.5; DB 9; Length 695;
Best Local Similarity 95.8%; Pred. No. 1.3e-05;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy      1 DGDVEVEEA-EPYEEATERTTSTA 23
Db      250 DGDVEVEEAEPYEEATERTTSTA 273

RESULT 10
US-09-795-847-14
; Sequence 14, Application US/09795847
; Patent No. US20010018208A1
; GENERAL INFORMATION:
; APPLICANT: Gurney, Mark E.
; APPLICANT: Bienkowski, Michael J.
; APPLICANT: Heinrikson, Robert L.
; APPLICANT: Parodi, Luis A.
; APPLICANT: Yan, Riqiang
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND
; TITLE OF INVENTION: USES
; FILE REFERENCE: 28341/6280DE
; CURRENT APPLICATION NUMBER: US/09/795,847
; CURRENT FILING DATE: 2001-02-28
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
; LENGTH: 695
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-795-847-14

Query Match          90.9%; Score 105.5; DB 9; Length 695;
Best Local Similarity 95.8%; Pred. No. 1.3e-05;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy      1 DGDVEVEEA-EPYEEATERTTSTA 23
Db      250 DGDVEVEEAEPYEEATERTTSTA 273
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RESULT 11
US-09-794-743-10
; Sequence 10, Application US/09794743
; Patent No. US20010021391A1
; GENERAL INFORMATION:
; APPLICANT: Gurney, Mark E.
; APPLICANT: Bienkowski, Michael J.
; APPLICANT: Heinrikson, Robert L.
; APPLICANT: Parodi, Luis A.
; APPLICANT: Yan, Riqiang
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND
; TITLE OF INVENTION: USES
; FILE REFERENCE: 28341/6280BC
; CURRENT APPLICATION NUMBER: US/09/794,743
; CURRENT FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: 09/416,901
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 10
; LENGTH: 695
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-794-743-10

Query Match      90.9%; Score 105.5; DB 9; Length 695;
Best Local Similarity 95.8%; Pred. No. 1.3e-05;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY      1 DGDEVEEEA-EPYEATERTTTSSIA 23
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Db      250 DGDEVEEEAEPYEATERTTTSSIA 273

RESULT 12
US-09-794-743-12
; Sequence 12, Application US/09794743
; Patent No. US20010021391A1
; GENERAL INFORMATION:
; APPLICANT: Gurney, Mark E.
; APPLICANT: Bienkowski, Michael J.
; APPLICANT: Heinrikson, Robert L.
; APPLICANT: Parodi, Luis A.
; APPLICANT: Yan, Riqiang
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND
; TITLE OF INVENTION: USES
; FILE REFERENCE: 28341/6280BC
; CURRENT APPLICATION NUMBER: US/09/794,743
; CURRENT FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: 09/416,901
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 12
; LENGTH: 695
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-794-743-12

Query Match      90.9%; Score 105.5; DB 9; Length 695;
Best Local Similarity 95.8%; Pred. No. 1.3e-05;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY      1 DGDEVEEEA-EPYEATERTTTSSIA 23
      ||||| ||||| ||||| ||||| |||||
Db      250 DGDEVEEEAEPYEATERTTTSSIA 273

RESULT 13
US-09-794-743-13
; Sequence 14, Application US/09794743
; Patent No. US20010021391A1
; GENERAL INFORMATION:
; APPLICANT: Gurney, Mark E.
; APPLICANT: Bienkowski, Michael J.
; APPLICANT: Heinrikson, Robert L.
; APPLICANT: Parodi, Luis A.
; APPLICANT: Yan, Riqiang
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND
; TITLE OF INVENTION: USES
; FILE REFERENCE: 28341/6280BC
; CURRENT APPLICATION NUMBER: US/09/794,743
; CURRENT FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: 09/416,901
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 14
; LENGTH: 695
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-794-743-14

Query Match      90.9%; Score 105.5; DB 9; Length 695;
Best Local Similarity 95.8%; Pred. No. 1.3e-05;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY      1 DGDEVEEEA-EPYEATERTTTSSIA 23
      ||||| ||||| ||||| ||||| |||||
Db      250 DGDEVEEEAEPYEATERTTTSSIA 273

RESULT 14
US-09-794-748-10
; Sequence 10, Application US/09794748
; Patent No. US20020037315A1
; GENERAL INFORMATION:
; APPLICANT: Gurney, Mark E.
; APPLICANT: Bienkowski, Michael J.
; APPLICANT: Heinrikson, Robert L.
; APPLICANT: Parodi, Luis A.
; APPLICANT: Yan, Riqiang
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND
; TITLE OF INVENTION: USES
; FILE REFERENCE: 28341/6280JL
; CURRENT APPLICATION NUMBER: US/09/794,748
; CURRENT FILING DATE: 2001-02-27
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Tue Aug 2 13:22:17 2005

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; PRIOR APPLICATION NUMBER: 09/416,901
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 695
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-794-748-10

Query Match          90.9%; Score 105.5; DB 9; Length 695;
Best Local Similarity 95.8%; Pred. No. 1.3e-05;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 DGDEVEEEA-EPYEEATERITSIA 23
Db 250 DGDEVEEEAEPYEEATERITSIA 273

RESULT 15
US-09-794-748-12
; Sequence 12, Application US/09794748
; Patent No. US20020037315A1
; GENERAL INFORMATION:
; APPLICANT: Gurney, Mark E.
; APPLICANT: Bienkowski, Michael J.
; APPLICANT: Heinrikson, Robert L.
; APPLICANT: Parodi, Luis A.
; APPLICANT: Yan, Riqiang
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR, AND
; TITLE OF INVENTION: USES
; FILE REFERENCE: 28341/6280JL
; CURRENT APPLICATION NUMBER: US/09/794,748
; CURRENT FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: 09/416,901
; PRIOR FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn Ver. 2.0
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; LENGTH: 695
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-794-748-12

Query Match          90.9%; Score 105.5; DB 9; Length 695;
Best Local Similarity 95.8%; Pred. No. 1.3e-05;
Matches 23; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 DGDEVEEEA-EPYEEATERITSIA 23
Db 250 DGDEVEEEAEPYEEATERITSIA 273

Search completed: August 2, 2005, 13:16:38
Job time : 508 secs
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